

REFERENCES

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NOTE

**MACROCHELES INSIGNITUS BERLESE (ACARINA:
MACROCHELIDAE) PHORETIC ON NILOBEZZIA SCHWARZI
(COQUILLET) (DIPTERA: CERATOPOGONIDAE)¹**

Most records of mites associated with biting midges have involved larval mites. Recently Grogan and Navai (1975, Proc. Entomol. Soc. Wash. 77:214-215) reported adult phytoseiid mites, *Amblyseius* sp. on *Culicoides schultzei* Enderlein. This was apparently the first record of an adult mite on a ceratopogonid as well as the first record for the order Parasitiformes on this fly family.

On 4 July 1975 W. E. Steiner collected some small insects attracted to lights at Wittman, Talbot Co., Maryland. An examination of the ceratopogonids collected revealed a female *Nilobezzia schwarzi* (Coquillett) with an unusually large mite attached to its abdomen. These were preserved in 70% ETOH and sent to P. H. Vercammen-Grandjean for identification, who forwarded them to G. W. Krantz. The mite was identified by Krantz as an adult *Macrocheles insignitus* Berlese, a predaceous species often phoretic on houseflies (Krantz, 1975, personal communication). This is apparently the first record of this mite family (Macrochelidae) phoretic on ceratopogonids, and the second record of the order Parasitiformes on these flies. The mite is deposited in the acarology collection of the National Museum of Natural History (USNM).

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